



Mineralogical Society of Great Britain and Ireland

www.minersoc.org

PUBLICATION NEWS

New Editor(s) Required for Mineralogical Magazine



The Mineralogical Society of Great Britain and Ireland seeks applications/nominations for the position(s) of Principal Editor(s) of *Mineralogical Magazine*. The job will officially commence in June 2011 and will initially be for a fixed-term period of three years, with the possibility of a second three-year term if agreeable to the Society and the individual(s). The Society encourages applications from those interested in sharing the role with another applicant, although applications from those interested in sole editorship will also be considered. A six-month handover period will begin early in 2011.

Mineralogical Magazine has been published without a break since the foundation of the Mineralogical Society in 1876 and is one of the most highly respected titles in the Earth sciences. It is a bimonthly journal circulated to over 50 countries around the world. The journal has been published online since 2000 and is also included in the GeoScienceWorld (GSW) Earth Science e-journal aggregate. It has an editorial board of international repute and seeks an Editor/Editors of high scientific profile to help lead the journal in these times of change in the publishing world. The journal is a leader in its field with a growing author and reader base.

The successful candidate(s) will be responsible for managing all scientific aspects of the journal. They will work in conjunction with the journal's Production Editor, who will manage all aspects of publication (print and electronic), and with the Society office, which will deal with all matters relating to billing and sales. The successful candidate(s) will also be expected to report to the Society's Publications Committee and to the Society's Council, and where possible, to attend scientific meetings and conferences where the journal might be promoted.

There is no salary for this position, but the Society does award a nominal honorarium and will pay reasonable travel and other overhead expenses. Nominations or self-nominations are acceptable (CV plus covering letter are required) and should be received by the Society's General Secretary, Dr M. E. Hodson, at the Mineralogical Society office, 12 Baylis Mews, Twickenham TW1 3HQ, UK (kevin@minersoc.org), no later than 30 September 2010. Applicants from all countries are welcome but the candidate(s) must be entirely fluent in English. Queries may be directed to the present Principal Editor, Dr Mark Welch (mdw@nhm.ac.uk), or to the Executive Director, Mr Kevin Murphy (kevin@minersoc.org; tel. +353 (0)23 8845401). Interviews will be conducted in London. Travel expenses will be reimbursed.

Rapid Online Publication



The Mineralogical Society journals *Mineralogical Magazine* and *Clay Minerals* are both published online on two platforms: GSW and Ingenta. On both platforms, we have instituted a scheme whereby papers are published online shortly after acceptance, without having to wait for publication in the paper version first. A recent paper in *Mineralogical Magazine* had a sub-pub (submission to publication) time of 23 days! In *Mineralogical Magazine* colour printing is free of charge, and authors are given a free e-print of their paper for circulation to colleagues. You are encouraged to send your papers to MinSoc journals now!

Mineralogical Magazine Has a New Reviews Editor

Frank Hawthorne has agreed to be the Reviews Editor of *Mineralogical Magazine* for the next three years. We're delighted to have Frank's support for our journal. If you have an idea for a review, please contact Frank (frank_hawthorne@umanitoba.ca) or the Principal Editor, Mark Welch (mdw@nhm.ac.uk).

MEETINGS

Frontiers in Environmental Geoscience 2011



Aerial photo of Aberystwyth, Wales

The Frontiers in Environmental Geoscience 2011 meeting will be held in Aberystwyth, Wales, on 21–24 June 2011. The scientific focus of the meeting will be on recent research advances in environmental mineralogy, geochemistry, biosystems and toxicology. Professor Jill Banfield of the University of California, Berkeley, will deliver the 2011 Hallimond

Lecture at the meeting. Several scientific sessions covering novel topics in environmental geoscience (e.g. nanoparticles, synchrotron applications, geomicrobiology) are planned. A mid-conference fieldtrip in the afternoon of Wednesday, June 22, will include a visit to the Cwmystwyth former Pb-Zn mine and the picturesque site of Bwlch Nant yr Arian where conference delegates will see red kites being fed in a wild and wonderful setting. Three optional post-meeting field trips on Friday, June 24, are scheduled: (1) Mine water remediation in the South Wales coalfield, including visits to the passive treatment systems at Pelenna and Garth Tonmawr; (2) Coed y Brenin copper porphyry deposit and secondary environmental geochemistry in the striking backdrop of the Snowdonia Mountains; and (3) Geological highlights of coastal northern Pembrokeshire, including Caledonian structures, Ordovician pillow lavas and fossil hunting. Check www.minersoc.org/pages/meetings/frontiers-2011/frontiers-2011.html for future updates.

Nuclear Waste Management: Research Challenges for the Future



28–29 September 2010, Cambridge

Registration for this meeting is still open. The conference will be of particular interest to students interested in a career in the industry. Go to www.minersoc.org/pages/meetings/nuclear/nuclear.html for information.

Members Serving the Society

As mentioned in previous issues, there were several vacancies arising on Council and elsewhere within the Society for 2011. Following a call for nominations, all of these positions have now been matched exactly by the nominations received. No election is required. Subject to approval at the next Annual General Meeting of Council, the following will serve the Society for the periods mentioned:

J. Horák, C. Storey and Mike Widdowson will serve as Ordinary Members of Council from 2011 to 2013.

K. Goodenough will serve as General Secretary from 2011 to 2016.

Andrew Kerr will serve in the newly created post of Public Relations Officer from 2011 to 2016.

The incoming Vice-President and chair of the Awards Committee will be announced in a future issue of *Elements*.

Our sincere thanks to all of these and others who serve the Society.

POSTGRADUATE STUDENT BURSARY REPORT 2010

Role and Nature of Organic Matter in the Mobilisation of Arsenic in Shallow Aquifers in Taiwan



Wafa Al Lawati,
bursary winner

I thank the Mineralogical Society for financially supporting my attendance at the third International Congress on Arsenic in the Environment, which was held in Taiwan in May 2010. I felt delighted to have the opportunity to present a talk at the largest international conference about arsenic in the geosphere and its effects on human health. It was a fruitful conference where I learned about the most recent scientific work in my area of interest. It also allowed me to interact with other researchers from all over the world, including the scientists with whom I am collaborating.

A field trip was organized on the last day of the conference. I got to see arsenic-affected regions, including a clinic where many hundreds of blackfoot disease patients have been treated, arsenic-bearing source rocks, some hot springs and the drilling sites where groundwater samples are collected for analysis of arsenic, iron and organics.

Wafa Al Lawati, The University of Manchester

Deposits Magazine

Colleagues at *Deposits Magazine* have asked us to mention their publication in these pages. The magazine has steadily gained high regard amongst both professionals and enthusiasts alike for the quality of the articles it presents from around the world. Go to www.depositsmag.com to read more. The editors are happy to consider short articles for publication.



SOME SELECTED PAPERS FROM MINERALOGICAL MAGAZINE AND CLAY MINERALS

Mineralogical Magazine, June 2010

- Atomic-scale models of dislocation cores in minerals: progress and prospects
A. Walker, P. Carrez, P. Cordier
- Evolution of nepheline from mafic to highly differentiated terms of the alkaline series: the Messum complex, Namibia
S. B. Blancher, P. D'Arco, M. Fontelles, M.-L. Pascal
- The synthesis and solubility of the copper hydroxyl nitrates: gerhardtite, rouaite and likasite
C. H. Yoder, E. Bushong, X. Liu, V. Weidner, P. McWilliams, K. Martin, J. Lorgunpai, J. Haller, R. W. Schaeffer

Clay Minerals, June 2010

- Chemistry, morphology and structural characteristics of synthetic Al-lizardite
M. Bentabol, M. D. Ruiz Cruz, I. Sobrados
- XRF and nitrogen adsorption of acid-activated palygorskite
J. Zhang, Q. Wang, H. Chen, A. Wang
- Nano-size quartz accumulation in reservoir chalk, Ekofisk Formation, South Arne Field, North Sea
H. Lindgreen, F. Jacobsen, N. Springer

PASSING OF PETER G. HILL



Dr Pete Hill, Production Editor of *Mineralogical Magazine* from 2008 to 2010, died unexpectedly in May of this year. He is a great loss to the community. A tribute will be published in the August issue of *Mineralogical Magazine*.



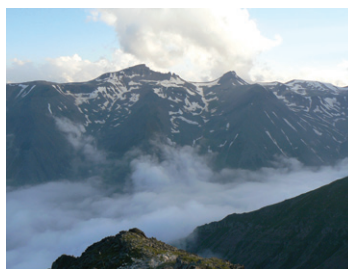
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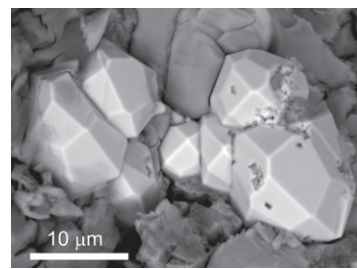
TEN NEW MINERALS DISCOVERED BY AN INTERNATIONAL RESEARCH TEAM

Irina and Evgeny Galuskin, members of the Polish, Russian, and American mineralogical associations and affiliated with the University of Silesia in Katowice, Poland, have accomplished a significant mineralogical feat. Together with international research groups from Poland, Russia, and Switzerland, they have discovered ten new minerals in high-temperature skarns in northern Caucasus, and in Sakha-Yakutia, Russia. These minerals belong to several common mineral groups. Five new minerals belong to the garnet group (all approved in 2009): eringaite, $\text{Ca}_3\text{Sc}_2\text{Si}_3\text{O}_{12}$; toturite, $\text{Ca}_3\text{Sn}_2\text{Fe}^{3+}_2\text{SiO}_{12}$; elbrusite-(Zr), $\text{Ca}_3(\text{U}^{6+}\text{Zr})(\text{Fe}^{2+}\text{Fe}^{3+}_2)\text{O}_{12}$; bitikleite-(SnAl), $\text{Ca}_3(\text{Sb}^{5+}\text{Sn})\text{Al}_3\text{O}_{12}$; and bitikleite-(ZrFe), $\text{Ca}_3(\text{Sb}^{5+}\text{Zr})\text{Fe}^{3+}_3\text{O}_{12}$. Two new rock-forming minerals belong to the humite group (approved in 2008): chegemite, $\text{Ca}_7(\text{SiO}_4)_3(\text{OH})_2$, and kumtyubeite, $\text{Ca}_5(\text{SiO}_4)_2\text{F}_2$. Two new minerals belong to the perovskite group: lakargiite, CaZrO_3 (approved in 2008), and megawite, CaSnO_3 (approved in 2010). Last, an analog of uraninite has been identified: vorlanite, $(\text{CaU}^{6+})\text{O}_4$ (approved in 2009).

Ryszard Kryza (President, MSP)



The Kum-Tyube plateau (Kabardino-Balkaria, northern Caucasus). Kumtyubeite, a rock-forming mineral of the humite group, was named after this plateau. PHOTO: IRINA GALUSKINA



Bitikleite-(SnAl): Si-free garnet crystals in cuspidine skarn. BSE IMAGE: IRINA GALUSKINA



A xenolith (white) within ignimbrites (Upper Chegem caldera, Kabardino-Balkaria, northern Caucasus), in which the tin garnet toturite was discovered. In the foreground are Evgeny Galuskin (left) and Viktor Gazeev; the latter discovered these xenoliths containing high-temperature skarns in the 1980s. In the background is Lakargi peak, after which the perovskite group mineral lakargiite was named. PHOTO: IRINA GALUSKINA